

REPORT OF WORK
ON UTAH RIVERS

Record of a Year by George L. Swendsen.

MEASURES ALL THE WATER
WHAT HAS BEEN DONE IN AND
AROUND UTAH LAKE.

The most complete report ever prepared on the hydrographic work of the general government in Utah has just been completed and will be forwarded to Washington tonight by Engineer George L. Swendsen in charge of the reclamation work in the state. The report goes to Chief Hydrographer F. H. Newell. It will be printed in Washington, D. C., without delay, and copies of it may be obtained free by all who apply.

The work upon which this report is made is independent and distinct from the reclamation work being done by the general government under the recently enacted irrigation law. This hydrographic work started in 1888 and has been kept up since. It is paid for by a special appropriation by congress at each session. It has been in the hands of Engineer Swendsen since 1898, and has been continually growing. More than twice as much work was done in 1904 as in any previous year.

Record of Important Work.

The hydrographic work upon which the report is made consists of measuring the more important streams and other sources of water supply in the state and keeping a daily record of the water flow in second feet and acre feet. All the other important data to determine the size, character and importance of the stream or lake is recorded and compiled systematically.

In his introduction Engineer Swendsen says:

"The report proper consists of the description, plan and cross-section of stream; discharge sheet, rating curve and table, mean gauge height, and discharge sheets, and all miscellaneous measurements arranged according to drainage area. During the year 4,100 gauge height observations and 990 meter measurements were made."

Twenty-nine measuring stations were operated during the year covering the state from Gunnison to the south to the extreme north and running over into Idaho on the north where stations were operated on the Bear river. The state was covered from Great Salt Lake on the west to the Duchesne and Strawberry rivers on the east. A station is ordered to be established at once on the Green river at the crossing of the Rio Grande southern railroad in the extreme southeastern part of the state.

But the most important work of the year so far as Salt Lake is concerned is that done in the government work at the lake is undertaken. This work came under the head of miscellaneous, and many streams were measured in this way in addition to those regularly measured.

The regular gauging stations were as follows: Six in the river at Dingle, Battle Creek, Collinston, Toll Gate, two in Logan river canyon; six in Utah lake area—Canyon and Lake Shore in Spanish Fork, Hobbs Creek, Canyon at San Pedro bridge in Provo river; American Fork; Pump house in lake and shore of Rock Fork, west of river area—Gunnison and San Pitch river; one in Green river area—Spring Glen in Price river; ten in Duchesne river area—Culley's bridge, crossing and Curran Valley in the Strawberry, Red Creek at Narrows, West Fork of Duchesne, North Fork, Lake Fork, East or Rock Fork, west fork of lake and east fork of Lake Fork; two in Weber river area—Weber at Oakley and Chalk creek at Coalville.

WILL BUILD FAMILY HOTEL

A. Fred Wey Purchases Property at First and State Streets for This Purpose.

A. Fred Wey, proprietor of the Wilson hotel, is having plans prepared for a family hotel to be built on a lot at First and State streets, purchased by him yesterday from Spencer Clawson. The lot is 60x115 feet, and cost him \$8,500. He intends putting a building on it that will cost not to exceed \$35,000. This building will contain seventy-five to eighty rooms, and will be rented. Mr. Wey will continue running the Wilson.

BAD BOYS SENT TO PRISON.

Los Angeles, Cal., Feb. 8.—John Morgan and Carl Wilson, the Pasadena hotel bell boys who were indicted by William Edey, a guest of the Maryland hotel, of \$20,000 worth of jewelry, today pleaded guilty in the superior court to burglary and were sentenced to five years each in the state penitentiary. The jewelry which they stole was recovered shortly following their arrest.

John T. Axton will lecture on the Philippines in the First M. E. church Friday evening. A stereopticon will be used to illustrate his lecture and in addition Miss Mary Mayne will give a reading. Music will be furnished by Miss Nettleton. Charges, 25c; children, 15c.

PEMBROKE'S BOOKBINDERY.

Loose leaf and special blank books, 54 W. 2d South. 'Phones 758.

AN IMPORTANT CHANGE.

The Salt Lake Brokerage company has leased the handsome store formerly occupied by the L. G. Raitt on 4th St. at 113 Main street. This was decided upon on account of increased business.

Salt Lake Photo Supply Co. Every thing photographical at 2d and 3d, Main.

DIAMOND COAL.

Sold only by Citizens' Coal Company, 53 West Second South. Tel. 49.

HAVE YOU

Ordered a copy of Folk's Salt Lake City Directory for 1905? This work will soon be in press. Better order now, as the edition will be limited to actual subscribers. Price \$5.00 per copy. A map of the city goes with each book.

W. P. COOPER, Secretary and Manager, 617-620 Dooly Building.

PULLMAN OBSERVATION

Sleeping cars, latest pattern, are being operated on D. & G. train No. 4, Ogden to Denver, via Colorado Midland. The only through Denver sleeper on that train. Write to L. H. Harding, General Agent, Salt Lake, for folders and information.

KING OF ALL BREAD

Is Royal Bread. Our crown label on every loaf. At all grocers.

Modern Plumbing.

At moderate prices. George G. Doyle & Co., 21 State street. 'Phone 162.

MORE TALK ON SMOKE

Farmers Present Their Case to County Board of Health—Smelters Next Tuesday.

Smelter fumes were the subject of discussion at a meeting of the county board of health held yesterday in Judge Morse's court room in the city and county building. The board is composed of Commissioners Mackay, Wilson and Miller, County Physician E. W. Whitney, Dr. F. E. Straup, health officer at Bingham Junction, Dr. W. E. Perrebe, health officer at Murray, and Dr. A. G. Robertson, health officer at Sandy.

The farmers who want the smelters either to stop the deadly fumes from their smokestacks or close their plants were represented by Bishop O. P. Miller, E. A. Lee, Joseph Carlisle, Henry Burton and W. D. Park, and the smelters were represented by Attorney W. A. Bradley, R. H. Channing and C. W. Whitley.

The carcass of a dead horse was offered by the farmers' committee as an exhibit by which it was expected to prove that the smelter fumes were destructive of animal life. It was asserted that the horse was fatally poisoned by breathing the smoke from the smelters. The meeting took a recess and the members of the board went to the north side of the building and viewed the swollen carcass of the animal. After this was done it was decided to have Dr. J. E. Talmage of the University of Utah make a chemical analysis of the animal's stomach.

The jaw bone of a sheep was also shown by Bishop Miller, and he claimed it showed evidence that the animal of whose anatomy it formed part had come to its death by inhaling poisonous vapors.

The meeting was adjourned until 11 o'clock next Tuesday forenoon, at which time the smelter people will present their side of the controversy and will show what they have been doing to relieve the smoke from their chimneys of the deadly gases with which it is now charged.

TEETH MAY TELL STORY

Dentist Thinks He Can Throw Light on Life of Enoch Jenkins, Murdered Near Ogden.

Dr. G. L. Stone, the Denver dentist who did considerable work for Enoch Jenkins, who was murdered near Little Mountain, west Weber county, Utah, believes that he could see the interior of the slain man's mouth he could tell much of his life story. Jenkins' body, the skull crushed apparently by a rock, was found Saturday night by an Italian hunter. The man had evidently been dead over three weeks.

Receipts in Jenkins' pockets showed that he had a dental work done by Dr. Stone. The latter does not recall

the murdered man, but believes that a glance at his molars would recall conversations which must have occurred at the time Jenkins was undergoing treatment.

Dentists, Dr. Stone explains, often learn much of their patient's antecedents while engaged in their profession. He believes that he may yet be able to give some valuable hints to those interested in settling the question of the man's identity.

TALK ON CELEBRATION

J. Ross Clark and J. W. Houston Discuss Plans for Salt Lake Route Opening.

J. Ross Clark, vice president of the San Pedro railroad, returned from Butte yesterday in his private car, accompanied by Mrs. Clark and Alex Johnston, cashier of the Clark bank at Butte. They leave this morning on a special train over the new line for Los Angeles, stopping along the way to inspect the road, and expect to reach Los Angeles on Monday. They will be joined here by General Manager R. E. Wolfe and Mr. Houston.

Mr. Clark spent most of the day at the offices of the railroad company. At noon he had a short conference with Chairman J. W. Houston of the Commercial club committee regarding the proposed visit of a Salt Lake delegation to Los Angeles when the San Pedro is getting under for general traffic. After getting Mr. Houston's suggestions as to the plan of procedure here, Mr. Clark said he would take up the question of entering into a contract with the officials of the road and the people of Los Angeles who have the matter in charge there, and advise Mr. Houston, the city council and the Real Estate exchange just what arrangements could be made.

DIED.

RHODES—In this city, Feb. 8, 1905, Frank G. Rhodes, son of Mr. and Mrs. R. D. Rhodes. The funeral will be held Friday, Feb. 9, 1905, at 2 p. m., at St. Mark's cathedral. Interment private at Mt. Olivet cemetery.

FLORISTS.

L. M. LAW, specialist on funeral decorations, floral arrangements, etc. Call on 4th and 2nd Sts. Prices reasonable. Tel. 365.

WANTED.

ALL LADIES desiring good cooks, second girls and girls for general housework please apply to Mrs. Archer, 54 Templeton Bldg. Bell phone, 715-K, Ind. 593.

TO BUY 500 empty barrels for packing. Redman Van & Storage Co.

GREAT WESTERN IRON & METAL CO. dealers in scrap iron, metals, rubbers, bottles, etc. Call on 4th and 2nd Sts. Tel. 365.

UTAH JUNK CO. Highest prices paid for scrap iron, brass, etc. 88 E. 8th South. Tel. 223.

MALE HELP WANTED.

STROCK'S Employment Agency, Mechanic and Labor Office, 55 West 2d St. 'Phone 464.

MEN—All barber work free at Moler's barber college, 62 East First South St.

MEN to learn barber trade; position and locations plentiful; expenses made while learning. Instructor with years' experience; best opportunity ever offered. Call or write for particulars. Moler's Barber college, 62 E. 1st South.

WANTED—Men and boys to learn plumbing trade. Coyne Bros. Co. school of practical plumbing. Send for catalogue. Address 473 South Main St., Salt Lake City.

THREE or four reliable men with single horses and light wagons or buggies; must be permanent positions for energetic men. Room 328 Atlas Bldg.

A GENTLEMAN to join me to go to 1st and 10th Sts. Call on 4th and 2nd Sts. P. O. Box 1153, City.

GOOD English teacher wanted immediately; primary pupil of 7. Call between 2 and 4 p. m., 41 E. 2d South.

INTELLIGENT, industrious and well educated men who desire to engage in a very lucrative occupation will call or write for particulars. Investment Co., Atlas Bldg., Salt Lake City.

BARBER shop for sale, 2 chairs, combination, 42 1/2 St. Ogden, Utah.

FEMALE HELP WANTED.

STROCK'S EMPLOYMENT AGENCY, Waitresses, cooks, chambermaids, Housegirls and all kinds of restaurant help wanted for city and country. 55 W. 2d South St. 'Phone 464.

GOOD GIRL for general housework; at which time the smelter people will present their side of the controversy and will show what they have been doing to relieve the smoke from their chimneys of the deadly gases with which it is now charged.

COMPETENT GIRL for general housework. 55 S. 5th East.

COMPETENT GIRL for general housework. 218 E. 4th South.

A GOOD GIRL for general housework in small family. 159 1st St.

A GOOD woman to wash Mondays and on Tuesdays. 1135 E. Brigham.

GOOD girl; light housework; good pay. 27 So. 5th E.

GIRL going to school, to work for her room and board. Call 34 McCormick Bldg.

GIRL for general housework; no washing. 1102 1st St.

GIRL for general housework. 722 E. 1st St.

AT THE Employment Bureau, 614 Templeton Bldg., good cooks, second girls and general housegirls.

YOUNG girl to take care of small child and go home at night. Apply 34 So. 5th E.

GOOD Scandinavian or German girl for housework; best work done by 1st St.

A GOOD competent girl for general housework. Apply 622 2d St.

GIRL for general housework; good wages. Apply 1111 3d St., Tuesday or Wednesday.

SALT LAKE CHARITY ASSOCIATION FREE EMPLOYMENT BUREAU.

WATCH this space—Through it we hope to secure employment for many unemployed fathers and mothers with dependent children, and whom we can best help in this way.

If you apply at once we can furnish a girl for housework, or a woman for work, but makes no claim to being a cook.

The dressmaker we have been advertising has her time filled until Feb. 1, but would like to make engagements after that date.

With ample notice up to a certain limit we can supply boys to go out washing or house cleaning by the day.

We always have a number of fathers who are only waiting for a steady job, and who are glad to have it, even if it is only a few days at a time.

Apply at our headquarters, 230 Third West, or telephone, Ind. 250, or Bell 360 K, Ind. 19 and 12 a. m. Salt Lake Charity Association.

SITUATION WANTED.

ELDERLY man, 65 years of age, with home, where light duties will be accepted as remuneration; experienced piano teacher. Address 4, Herald.

A MIDDLE-AGED man wants a place to work for his board. Address H. M. 100 Young street, city.

BY young woman, to assist with cooking, dishwashing or general work in boarding house, or out of city. Address G. 2, Herald.

WIDOW wishes position as housekeeper in or out of the city; am a good cook. Address Mrs. M. Jordan, 68 South First West.

A SWEDISH girl wants a good place to do housework. Address 217 S. 2d West.

YOUNG man would like position as assistant bartender or bar porter. Address G. 26, Herald.

A LADY thoroughly experienced in the grocery business would like situation as clerk. Best of references. Address G. 26, Herald.

FIRST-CLASS dressmaker wants sewing by the day. Address G. 26, Herald.

A FIRST-CLASS fruit grower and nurseryman wants pruning and planting work. Best of references. Address G. 27, Herald.

WOMAN wants housekeeping; references required and given. Address G. 24, Herald.

A ACCOUNTANT desires position; reference. Address K. M., 315 E. 2d St.

EXPERIENCED girl would like place as housekeeper or general housework. No objection to leaving the city. Address Room 8, 72 W. 2d South.

A REFINED, competent woman wants work for the room and board of herself and two girls, ages 7 and 9, where an older daughter and son can get reasonable board; close in; references given. G. 26, Herald.

BY EXPERIENCED young woman, washing or cleaning by day; or would like chamber work or rooms to take care of. Call on 4th and 2nd Sts. 267 South Main St., Room 26. Bell phone 219 K. Home evenings. Good references.

BY TWO experienced women for minding camp; one cook and one waitress. Address G. 26, Herald.

WASHING wanted at home. 21 S. 1st West.

WIDOW desires position as housekeeper in or out of the city. Address 129 S. 1st West.

A YOUNG girl would like a place in small family; no washing. Address 913 Euclid Ave., 8th W.

TWO MIDDLE aged ladies wish a position to do washing or ironing. 267 South Main St., Room 26. Bell phone 219 K. Home evenings. Good references.

YOUNG lady wants to teach children German in a family of two or three. Address G. 26, Herald.

WASHING and ironing to do at home by experienced laundress. Do as home as possible. Bell phone 1844-X. Address 981 So. 8th West.

WOMAN would like family washing or sentinels' washing to take home. Address Mrs. L. Erikson, 241 E. 6th South.

SITUATION WANTED.

GOOD strong woman would like any kind of work by the day. Mrs. H. E. 241 E. 6th South.

FOR RENT.

THE Hooper building, 25 E. 1st street, has been thoroughly renovated. Good elevator and janitor service. A few desirable offices for rent.

A ROOM modern house on Main street, close in, \$2.00.

A ROOM modern house on D street, \$2.50. This house is modern through and through, has 3 rooms, close in, rents for \$4.50.

RANCK REAL ESTATE CO., Suite 232 D. F. Walker Bldg. Both phones, 2011.

LARGE storeroom, with counters and shelving, 25-30 Main street, 1st floor, completely modern, and barn, 232 1/2 East, \$2.50.

5 rooms, e. l. bath and toilet, 181 Q street, 31.

SALT LAKE SECURITY & Trust Co., 32-34 Main street.

STORE, fixtures and basement, 504 3rd St.

DESK ROOM for rent, 143 Main St., ground floor.

2 SUNNY offices, very reasonable, best location, 128 Main St., ground floor.

DISK ROOM, ground floor, steam heat, lights and telephone free. 15 W. 2d St.

MODERN five-room cottage, 5th East between 2nd and 4th South.

FIVE-ROOM brick, \$15.00. Range connected. Silver Bros., phone 456.

PART of house (4 rooms). Inquire 245 South 5th East.

A ROOM house, 4th South and Main. U. U. Hickey, 500 McCormick Bldg.

DWELLING, No. 614 E. 2nd St. 5 rooms and cellar. Inquire at No. 639 E. 2nd St. St. F. Egan.

9-ROOM house, E. 2d South, \$16. U. U. Hickey, 500 McCormick block.

GET THE B. & O. to move you. 'Phone 385.

3 ROOMS modern house, 448 So. 3rd E.

STORES in Empire block, South Temple and 1st West. Houston Real Estate Inv. Co., 251 S. Main.

SEWING MACHINES, \$2.00 per month. At office, 23 W. 1st St. 'Phone 1257-X.

HOUSTON, The House, Tel. 77.

DRUG STORE, elegant location, corner 1st West and South Temple. Empire block, 251 S. Main.

20 HOUSES, all kinds, prices and locations. Tuttle Bros., 145 Main street.

FOR RENT—FURNISHED.

FURNISHED ROOM with alcove, 306 E. 2d South.

NICELY furnished room; modern, 74 E. 5th South.

Two nicely furnished rooms, modern, with or without board, 17 E. 1st South. 'Phone 206-X.

TWO rooms for light housekeeping, or otherwise if desired. 247 E. Brigham St.

FRONT room, bath, heat, light, with or without board. 827 E. 1st South.

NICELY furnished rooms, with all modern conveniences, 125 E. 2nd West. Tel. 1870-X.

NICELY furnished room; steam heat, 325 So. 2nd East.

3 ROOMS for housekeeping, bath and toilet. Address 644 1/2 6th St.

LOST.

UNCLE SAM says why go into a one-room concern for money when you can get it in a big one? In the largest and only private place west of Chicago on E. 2nd street, between Jewell, Gems, Instruments, Tools, Trunks, Bicycles, Typewriters, Guns, Clothing, etc., etc. Uncle Sam, 218-219-220 and 230 E. 1st St. Street. 'Phone 216-Y.

THE SNIVELY MERCANTILE BROKERS, 218-219-220 and 230 E. 1st St. Street. 'Phone 216-Y.

BAKERY running two (2) wagons; fine wholesale and retail trade; old established firm in good town. Good reasons for selling. Will sell completely or part interest to young, energetic partner. Address G. 20, Herald.

UTAH reservation guide 50 cents at Luntak store or P. O. box 1351, Salt Lake City.

CANDY kitchen complete for making candy, nice retail trade. A bargain, 261 So. West Temple.

NEWSPAPER and job plant in western Colorado town, 300 inhabitants; money-making for selling. Will sell completely or part interest to young, energetic partner. Address G. 20, Herald.

UNION Savings & Investment company, at stock at a big reduction. Harrington & Co., 218-219-220 and 230 E. 1st St. Street. 'Phone 216-Y.

A VALUABLE collection of mineral specimens, office furniture and safe, 200 Dooly block, E. J. Davis, administrator of Morris Sommer estate.

THREE HUNDRED AND SEVENTY-FIVE DOLLARS—A 6-room modern flat, nearly new, cost about \$800. This is a rare chance to get a good place at a low price. Apply to Mrs. M. J. Walker, 218-219-220 and 230 E. 1st St. Street. 'Phone 216-Y.

OR LEASE, 90-room hotel, all modern improvements. Address P. O. box 27.

THREE-CHAIR barber shop and bath, 25 1/2 1st St., Ogden.

TYPEWRITER and office supplies, blank books, Margret Bros., 40 Main. 'Phone 207-K.

HORSES bought and sold at the Iowa stable, 130 W. Temple.

GROCERY store; good location. 504 State St.

FOR SALE—REAL ESTATE

NO LIMIT ON MONEY. You can get it from us in any amount you want. We will help you in any way you want. We loan our own money.

THE HOME TRUST & SAVINGS CO., 6 W. FIRST SOUTH ST.

SALARY loans for days or more; easy terms. Emp. Credit Co., Rm. 14, 49 Main.

SOCIETIES.

A. O. U. W. Eagle Gate Lodge No. 19 meets every Wednesday evening at A. O. U. W. hall, 161 Main street.

SALT LAKE VALLEY LODGE No. 12 meets every Thursday evening at the A. O. U. W. hall, 161 Main street.

J. G. MORRISON, M. W.

ODD FELLOWS. I. O. O. F. Temple Directory. Subordinate lodges meet as follows: Utah lodge No. 1, Thursday. Salt Lake lodge No. 2, Friday. Jordan lodge No. 3, Monday. Ridgely lodge No. 4, Thursday. Enterprise lodge No. 17, Wednesday. Fidelity lodge No. 12, Wednesday. Mystic lodge No. 11, Monday.

Quirch encampment No. 1, second and fourth Tuesdays.

Golden Rule encampment No. 2, first and third Tuesdays.

REBEKAH LODGES. Naomi Rebekah lodge No. 1, second and fourth Saturdays.

Utah Rebekah lodge No. 5, first and third Saturdays.

HOUSTON'S THE HOUSES. Have bargains in house. 251 S. Main.

WE SELL real estate—that's all. Tuttle Bros., 145 Main St. Red Bell signs.

FOR SALE—REAL ESTATE.

GREAT OPPORTUNITY. OWNER of best 120 ft. street will sell at a sacrifice. Fine mod. residence, 19 rooms and brick summer kitchen; hot water heat, mod. plumbing, large attic, 3 rods frontage, \$5,500. Suitable terms. FRITCHARD & POE, Mrs. R. E. Dept. Wilson-Sherman, 124 W. 2d St., Tel. 482.

REALTY, ranches, farms in all western states, trades. George M. McConaughy, 41 W. 2d South. Tel. 262-Y.

MIDGLEY-BODEL CO., Real Estate, 23 E. 1st South.

6-ROOM pr. brick, modern, new. N. E. bench, fine location, \$700.

8-ROOM pr. brick, modern. N. E. bench, \$1,200, cash.

4-room brick and barn, S. E. \$1,600, cash terms.

Hubbard Inv. Co., 78 W. 2d South.

CHOICE building lots south and south-east, close in, \$125 to \$250, cash, \$2.50 per foot. West and northwest, \$75 to \$100, cash and \$50 per foot. Great inducements for the next sixty days for those who will build this season.

Hubbard Investment Co., 75 W. 2d So. St.

MUST be sold. "Geo